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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/713,427	11/17/2003	Jang-Kun Song	6192.0270.C1	2744
7590 07/13/2004 HOWREY SIMON ARNOLD & WHITE, LLP 1299 Pennsylvia Avenue, NW			EXAMINER	
			MCPHERSON, JOHN A	
	C 20004-2402		ART UNIT PAPER NUMBER	
			1756	-
			DATE MAIL ED: 07/12/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/713,427	SONG, JANG-KUN				
Office Action Summary	Examiner	Art Unit				
	John A. McPherson	1756				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
 1) Responsive to communication(s) filed on <u>04 March 2004</u>. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213. 						
Disposition of Claims						
4) ☐ Claim(s) 27-46 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 27-46 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner 10)☑ The drawing(s) filed on 17 November 2003 is/ar Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correction 11)☐ The oath or declaration is objected to by the Examiner	re: a)⊠ accepted or b)⊡ objecto drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 09/969,717. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 11/17/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 31 and 32 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 31 recites the limitation "the opaque <u>layer</u>" in line 2. There is insufficient antecedent basis for this limitation in the claim. This rejection could be overcome by correcting "layer" to --area--.

Claim 31 recites the limitation "the semitransparent <u>pattern</u>" in line 3. There is insufficient antecedent basis for this limitation in the claim. This rejection could be overcome by correcting "pattern" to --area--.

Claim 32 recites the limitation "the transparent <u>layer</u>" in line 2. There is insufficient antecedent basis for this limitation in the claim. This rejection could be overcome by correcting "layer" to --area--.

Claim 32 recites the limitation "the semitransparent <u>pattern</u>" in line 3. There is insufficient antecedent basis for this limitation in the claim. This rejection could be overcome by correcting "pattern" to --area--.

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Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 27-38 are rejected under 35 U.S.C. 102(e) as being anticipated by US 2004/0075798 (US '798). US '798 discloses a method of fabricating a liquid crystal display comprising the steps of providing a color filter substrate comprising a substrate, a black matrix, a color filter, and a common electrode; coating a positive or negative photosensitive material on the color filter substrate; exposing the photosensitive material to different values of light, either through two different masks or through a single mask having shaded, semi-shaded and unshaded portions; and developing the photosensitive material to form spacers and protrusions, wherein the spacers have a film thickness greater than the protrusions. See paragraphs [0157] to [0181], and Figures 18a-f.

3. Claims 39-46 are rejected under 35 U.S.C. 102(e) as being anticipated by US 6,583,846 (US '846). US '846 discloses a method of making an liquid crystal display comprising the steps of providing a light blocking film and a black matrix on a filter substrate; providing a color filter over the light blocking film and the black matrix; and

providing a spacer over the light blocking film in approximately the center of a pixel. See column 14, lines 47-65 and Figures 17A-B.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. McPherson whose telephone number is (571) 272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John A. McPherson Primary Examiner Art Unit 1756

JAM 7/7/04